PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: MICHAEL L. GOLDMAN NIXON PEABODY LLP	PCT
CLINTON SQUARE P.O. BOX \$1051 ROCHESTER, NEW YORK 14603	NOTIFIED A DIFONE OF THE A NICHTHAR A T. O.D.
ENTERED Nixon Peabody LLP	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT
	OR THE DECLARATION
JUL 2 5 2002	(PCT Rule 44.1)
FILE 176/6/012 DKT RAY	Date of Mailing (day/month/year) 19 JUL 2002
Applicant's or agent's file reference	FOR ELIPTIVED ACTION C
176/61012	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No.	International filing date (day/month/year)
PCT/US02/05533	21 FEBRUARY 2002
Applicant UNIVERSITY OF ROCHESTER	
1. X The applicant is hereby notified that the international	l search report has been established and is transmitted herewith.
Filing of amendments and statement under Articl The applicant is entitled, if he so wishes, to amend	e 19: the claims of the international application (see Rule 46):
When? The time limit for filing such amendment international search report.	ents is normally two months from the date of transmittal of the
Where? Directly to the International Bureau of V 1211 Geneva 20, Switzerland, Facsimil	WIPO, 34 chemin des Colombettes le No.: (41-22) 740.14.35
For more detailed instructions, see the notes on	the accompanying sheet.
2. The applicant is hereby notified that no international Article 17(2)(a) to that effect is transmitted herewith	l search report will be established and that the declaration under n.
3. With regard to the protest against payment of (an)	additional fee(s) under Rule 40.2, the applicant is notified that:
the protest together with the decision thereon happlicant's request to forward the texts of both	has been transmitted to the International Bureau together with the h the protest and the decision thereon to the designated Offices.
no decision has been made yet on the protest;	the applicant will be notified as soon as a decision is made.
4. Reminders	
applicant wishes to avoid or postpone publication, a notice of	onal application will be published by the International Bureau. If the withdrawal of the international application, or of the priority claim, is.1 and 90bis.3, respectively, before the completion of the technical
examination must be filed if the applicant wishes to postpone	t of some designated Offices, a demand for international preliminary the entry into the national phase until 30 months from the priority st, within 20 months from the priority date, perform the presecribed 1 Offices.
In respect of other designated Offices, the time limit of 30 mo	onths (or later) will apply even if no demand is filed within 19 months.
See the Annex to Form PCT/IB/301 and, for details about the Guide, Volume II, National Chapters and the WIPO Internet	ne applicable time limits, Office by Office, see the PCT Applicants's t site.
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks	Authorized officer
Box PCT Washington, D.C. 20231	PATRICIA A. DUFFY MINUTENCE FOR
The short No. (Man) and agen	Tolophone No. 1760 200 0106

Form PCT/ISA/220 (April 2002) \star

(See notes on accompanying sheet)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applican	nt's or agent's file reference	FOR FURTHER ACTION	see Notification of (Form PCT/ISA/22	Transmittal of International Search Report 20) as well as, where applicable, item 5 below.		
Internati	ional application No.	International filing dat	te (day/month/year)	(Earliest) Priority Date (day/month/year)		
PCT/U	S02/05533	21 FEBRUARY 200	2	21 FEBRUARY 2001		
Applican UNIVE	t RSITY OF ROCHESTER	L				
accordin	ernational search report has bee g to Article 18. A copy is bein ernational search report consis	g transmitted to the Inte	rnational Bureau.	hority and is transmitted to the applicant		
X	It is also accompanied by a c			report.		
1. Basis	of the report					
а.	language in which it was filed,	unless otherwise indicated	under this item.	asis of the international application in the		
ъ.	With regard to any nucleotide a was carried out on the basis of	and/or amino acid sequent the sequence listing:	ce disclosed in the in	ternational application, the international search		
	contained in the internation	al application in written	form.			
	filed together with the international application in computer readable form.					
	furnished subsequently to this Authority in written form.					
	furnished subsequently to thi	s Authority in computer :	readable form.			
				pes not go beyond the disclosure in		
	the statement that the informat furnished.	tion recorded in computer	readable form is ident	ical to the written sequence listing has b een		
2.	Certain claims were found	unsearchable (See Box I)).			
s .	Unity of invention is lacking					
4. With	regard to the title,	,				
X	the text is approved as subn	nitted by the applicant.				
	the text has been established	I by this Authority to rea	ad as follows:			
5. With	regard to the abstract,					
X	the text is approved as subm	nitted by the applicant.				
	the text has been established Box III. The applicant may, v search report, submit comme	vithin one month from the	o), by this Authority e date of mailing of t	as it appears in his international		
6. The fi	gure of the drawings to be pu	blished with the abstract	is Figure No.	·		
	as suggested by the applican	t.		V N GU G		
	because the applicant failed t	o suggest a figure.		X None of the figures.		
	because this figure better cha	· ·				
BCT	/ISA/010 (5		· · · · · · · · · · · · · · · · · · ·			

INTERNATIONAL SEARCH REPORT

International application No. PCT/US02/05538

	SSIFICATION OF SUBJECT MATTER			
	:G01N 33/53, 33/552, 33/554, 33/569; C12M 1/3	4, 3/00		
According	:435/7.1, 7.32, 7.8, 287.1, 287.2, 287.8; 436/527 to International Patent Classification (IPC) or to bo	th national classification and IPC		
	LDS SEARCHED	Samuel of the same		
	documentation searched (classification system follow	ed by classification symbols)		
	485/7.1, 7.32, 7.8, 287.1, 287.2, 287.8; 486/527	ou by made by made by		
	2007.12, 1102, 1.0, 207.12, 207.2, 207.027			
Documenta searched	tion searched other than minimum documentation t	to the extent that such documents are i	ncluded in the fields	
Electronic o	data base consulted during the international search (name of data base and where practicable	o completerment	
	e Extra Sheet.	name or data base and, where practicable	e, search terms used)	
C. DOC	UMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.	
Y,P	US 6,248,539 B1 (GHADIRI ET A) document.	L) 19 June 2001, see entire	1-44	
Y	US 5,023,200	L) 11 June 1991, see entire	1-44	
Y	US 5,629,214 # (CROSBY) 13 May	1997, see entire document.	1-44	
Y	US 5,550,063 A (BOGART) 27 Augu	st 1996, see entire document.	1-44	
Y		icrocavities for Biosensing November 2000, Vol. 182,	1-44	
	er documents are listed in the continuation of Box			
'A" doc	cial categories of cited documents: ument defining the general state of the art which is not considered se of particular relevance	"T" later document published after the inte date and not in conflict with the appl the principle or theory underlying the	ication but cited to understand	
E" earl	lier document published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be consider	claimed invention cannot be	
cite	ument which may throw doubts on priority claim(s) or which is d to establish the publication date of another citation or other cial reason (as specified)	when the document is taken alone "Y" document of particular relevance; the	-	
-	ument referring to an oral disclosure, use, exhibition or other	considered to involve an inventive step with one or more other such docum obvious to a person skilled in the art	when the document is combined	
P" door that	ument published prior to the international filing date but later n the priority date claimed	"&" document member of the same patent	family	
Date of the actual completion of the international search Date of mailing of the international search report				
15 JUNE 9	2002	19 JUL 2002		
Commission Box PCT	ailing address of the ISA/US er of Patents and Trademarks	Authorized officer/	ice of	
Washington Cacsimile No	, D.C. 20231 D. (703) 305–3230	Tolonkan N. (Tolonkan N. (Tolon	YUC	
acommic NO	(100) 000-0200	Telephone No. (703) 308-0196		

INTERNATIONAL SEARCH REPORT

International application No. PCT/US02/05538

Electronic data bases consulted (Name of data base and where practicable terms used): WEST, DIALOG, EMBASE, JAPIO. Search terms: semiconductor, porous or porosity, silicon, microcavities, biosensor, sensor, microorganism, bacterium, lipid A, antibody, receptor, layer, multilayer, strata, multistrata.						
osenson, senson, microorga	mism, bacterium, lipid A, antibody, receptor, layer, multilayer, strata, multistrata.					
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